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#5

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<120> DPI-6, A PUTATIVE THERAPEUTIC TARGET AND BIOMARKER IN NEUROPSYCHIATRIC
AND NEUROLOGICAL DISORDERS

<130> 2543-1-008/PCT US

<140> US 10/051,618

<141> 2001-10-24

<150> GB 0004412.3

<151> 2000-02-24

<150> GB 0004415.6

<151> 2000-02-24

<150> GB 0006285.2

<151> 2000-03-15

<150> GB 0028734.2

<151> 2000-11-24

<150> US 09/724,391

<151> 2000-11-28

<150> US 09/750,395

<151> 2000-11-28

<150> GB 0030050.9

<151> 2000-12-08

<150> US 60/254,830

<151> 2000-12-12

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<170> PatentIn version 3.0

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Thr Leu Leu Cys Leu Leu Leu Ala Ala Val Pro Thr Ala Pro Ala	
10 15 20	
ccc gct ccg acg gcg acc tcg gct cca gtc aag ccc ggc ccg gct ctc	151
Pro Ala Pro Thr Ala Thr Ser Ala Pro Val Lys Pro Gly Pro Ala Leu	
25 30 35	
agc tac ccg cag gag gag gcc acc ctc aat gag atg ttc cgc gag gtt	199
Ser Tyr Pro Gln Glu Glu Ala Thr Leu Asn Glu Met Phe Arg Glu Val	
40 45 50	
gag gaa ctg atg gag gac acg cag cac aaa ttg cgc agc gcg gtg gaa	247
Glu Glu Leu Met Glu Asp Thr Gln His Lys Leu Arg Ser Ala Val Glu	
55 60 65 70	
gag atg gag gca gaa gaa gct gct gct aaa gca tca tca gaa gtg aac	295
Glu Met Glu Ala Glu Glu Ala Ala Ala Lys Ala Ser Ser Glu Val Asn	
75 80 85	
ctg gca aac tta cct ccc agc tat cac aat gag acc aac aca gac acg	343
Leu Ala Asn Leu Pro Pro Ser Tyr His Asn Glu Thr Asn Thr Asp Thr	
90 95 100	
aag gtt gga aat aat acc atc cat gtg cac cga gaa att cac aag ata	391
Lys Val Gly Asn Asn Thr Ile His Val His Arg Glu Ile His Lys Ile	
105 110 115	
acc aac aac cag act gga caa atg gtc ttt tca gag aca gtt atc aca	439
Thr Asn Asn Gln Thr Gly Gln Met Val Phe Ser Glu Thr Val Ile Thr	
120 125 130	
tct gtg gga gac gaa gaa ggc aga agg agc cac gag tgc atc atc gac	487
Ser Val Gly Asp Glu Glu Gly Arg Arg Ser His Glu Cys Ile Ile Asp	
135 140 145 150	
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Glu Asp Cys Gly Pro Ser Met Tyr Cys Gln Phe Ala Ser Phe Gln Tyr	
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acc tgc cag cca tgc cgg ggc cag agg atg ctc tgc acc cgg gac agt	583
Thr Cys Gln Pro Cys Arg Gly Gln Arg Met Leu Cys Thr Arg Asp Ser	
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Glu Cys Cys Gly Asp Gln Leu Cys Val Trp Gly His Cys Thr Lys Met	
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gcc acc agg ggc agc aat ggg acc atc tgt gac aac cag agg gac tgc	679
Ala Thr Arg Gly Ser Asn Gly Thr Ile Cys Asp Asn Gln Arg Asp Cys	
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Gln Pro Gly Leu Cys Cys Ala Phe Gln Arg Gly Leu Leu Phe Pro Val	
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tgc aca ccc ctg ccc gtg gag ggc gag ctt tgc cat gac ccc gcc agc	775
Cys Thr Pro Leu Pro Val Glu Gly Glu Leu Cys His Asp Pro Ala Ser	
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cgg ctt ctg gac ctc atc acc tgg gag cta gag cct gat gga gcc ttg	823
Arg Leu Leu Asp Leu Ile Thr Trp Glu Leu Glu Pro Asp Gly Ala Leu	
250 255 260	
gac cga tgc cct tgt gcc agt ggc ctc ctc tgc cag ccc cac agc cac	871
Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu Cys Gln Pro His Ser His	
265 270 275	
agc ctg gtg tat gtg tgc aag ccg acc ttc gtg ggg agc cgt gac caa	919
Ser Leu Val Tyr Val Cys Lys Pro Thr Phe Val Gly Ser Arg Asp Gln	
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Asp Gly Glu Ile Leu Leu Pro Arg Glu Val Pro Asp Glu Tyr Glu Val	
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ggc agc ttc atg gag gag gtg cgc cag gag ctg gag gac ctg gag agg	1015
Gly Ser Phe Met Glu Glu Val Arg Gln Glu Leu Glu Asp Leu Glu Arg	
315 320 325	
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Ser Leu Thr Glu Glu Met Ala Leu Gly Glu Pro Ala Ala Ala Ala	
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Ala Leu Leu Gly Gly Glu Glu Ile	
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caagtcacac agctagtgaag gaccagagca gtttcatctg gttgtgactc taagctcagt 1830
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Lys Pro Gly Pro Ala Leu Ser Tyr Pro Gln Glu Glu Ala Thr Leu Asn
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Glu Met Phe Arg Glu Val Glu Glu Leu Met Glu Asp Thr Gln His Lys
 50 55 60

Leu Arg Ser Ala Val Glu Glu Met Glu Ala Glu Glu Ala Ala Ala Lys
 65 70 75 80

Ala Ser Ser Glu Val Asn Leu Ala Asn Leu Pro Pro Ser Tyr His Asn
 85 90 95

Glu Thr Asn Thr Asp Thr Lys Val Gly Asn Asn Thr Ile His Val His
100 105 110

Arg Glu Ile His Lys Ile Thr Asn Asn Gln Thr Gly Gln Met Val Phe
115 120 125

Ser Glu Thr Val Ile Thr Ser Val Gly Asp Glu Glu Gly Arg Arg Ser
130 135 140

His Glu Cys Ile Ile Asp Glu Asp Cys Gly Pro Ser Met Tyr Cys Gln
145 150 155 160

Phe Ala Ser Phe Gln Tyr Thr Cys Gln Pro Cys Arg Gly Gln Arg Met
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Leu Cys Thr Arg Asp Ser Glu Cys Cys Gly Asp Gln Leu Cys Val Trp
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Gly His Cys Thr Lys Met Ala Thr Arg Gly Ser Asn Gly Thr Ile Cys
195 200 205

Asp Asn Gln Arg Asp Cys Gln Pro Gly Leu Cys Cys Ala Phe Gln Arg
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Gly Leu Leu Phe Pro Val Cys Thr Pro Leu Pro Val Glu Gly Glu Leu
225 230 235 240

Cys His Asp Pro Ala Ser Arg Leu Leu Asp Leu Ile Thr Trp Glu Leu
245 250 255

Glu Pro Asp Gly Ala Leu Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu
260 265 270

Cys Gln Pro His Ser His Ser Leu Val Tyr Val Cys Lys Pro Thr Phe
275 280 285

Val Gly Ser Arg Asp Gln Asp Gly Glu Ile Leu Leu Pro Arg Glu Val
290 295 300

Pro Asp Glu Tyr Glu Val Gly Ser Phe Met Glu Glu Val Arg Gln Glu
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Leu Glu Asp Leu Glu Arg Ser Leu Thr Glu Glu Met Ala Leu Gly Glu

325

330

335

Pro Ala Ala Ala Ala Ala Ala Leu Leu Gly Gly Glu Glu Ile
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